

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A honeycomb structural body comprising one or plural pillar-shaped porous ceramic members in which many through-holes are arranged side by side in a longitudinal direction through partition walls and either one end portions of these through-holes are plugged, characterized in that the partition wall forming the structural body has a surface roughness of not less than 10 μm as a maximum roughness Rz defined in JIS B0601-2001 and an average pore size of 5-100 μm in a pore distribution measured by a mercury pressure method, and satisfies the following relationship:

$$A \leq 90-B/20$$

when a ratio pores having a pore size of 0.9-1.1 times the average pore size to total pore volume is A (%) and a thickness of the partition wall is B (μm).

Claim 2 (Original): A honeycomb structural body comprising one or plural pillar-shaped porous ceramic members in which many through-holes are arranged side by side in a longitudinal direction through partition walls and either one end portions of these through-holes are plugged, characterized in that the partition wall forming the structural body has a surface roughness of not less than 10 μm as a maximum roughness Rz defined in JIS B0601-2001 and an average pore size of 5-100 μm in a pore distribution measured by a mercury pressure method, and satisfies the following relationship:

$$A \leq 100-B/20$$

when a ratio pores having a pore size of 0.9-1.1 times the average pore size to total pore volume is A (%) and a thickness of the partition wall is B (μm).

Claim 3 (Original): A honeycomb structural body according to claim 1, wherein the partition wall forming the structural body has a surface roughness of not less than 10 μm as a maximum roughness Rz defined in JIS B0601-2001 and an average pore size of 5-100 μm in a pore distribution measured by a mercury pressure method, and satisfies the following relationship:

$$A \leq 100-B/20$$

when a ratio pores having a pore size of 0.9-1.1 times the average pore size to total pore volume is A (%) and a thickness of the partition wall is B (μm).

Claim 4 (Currently Amended): A honeycomb structural body according to ~~any one of claims 1 to 3~~ claim 1, wherein a maximum roughness Rz showing the surface roughness is not more than 100 μm .

Claim 5 (Currently Amended): A honeycomb structural body according to ~~any one of claims 1 to 4~~ claim 1, wherein the surface of the partition wall separating the through-hole is provided with a coating layer of a catalyst.

Claim 6 (Currently Amended): A honeycomb structural body according to ~~any one of claims 1 to 5~~ claim 1, wherein the porous ceramic members are bundled by interposing a sealing material layer between said members.

Claim 7 (Currently Amended): A honeycomb structural body according to ~~any one of claims 1 to 6~~ claim 1, wherein the porous ceramic member is made of a silicon carbide ceramic.

Claim 8 (Currently Amended): A honeycomb structural body according to ~~any one of~~
~~claims 1 to 7~~ claim 1, wherein said body is used as a filter for an exhaust gas purification
apparatus in a vehicle.